

PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION  
International Bureau

1000003.052802



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

<b>(51) International Patent Classification <sup>7</sup> :</b> <b>A61K 48/00</b>	<b>A2</b>	<b>(11) International Publication Number:</b> <b>WO 00/64488</b> <b>(43) International Publication Date:</b> 2 November 2000 (02.11.00)
<b>(21) International Application Number:</b> PCT/US00/11372 <b>(22) International Filing Date:</b> 27 April 2000 (27.04.00) <b>(30) Priority Data:</b> 09/300,959 27 April 1999 (27.04.99) US <b>(63) Related by Continuation (CON) or Continuation-in-Part (CIP) to Earlier Application</b> US 09/300,959 (CIP) Filed on 27 April 1999 (27.04.99) <b>(71)(72) Applicant and Inventor:</b> ZANETTI, Maurizio [IT/US]; 6112 La Jolla Hermosa Avenue, La Jolla, CA 92037 (US). <b>(74) Agents:</b> CADENA, Deborah, L. et al.; Campbell & Flores LLP, 7th Floor, 4370 La Jolla Village Drive, San Diego, CA 92122 (US).		<b>(81) Designated States:</b> CA, JP, US, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).  <b>Published</b> <i>Without international search report and to be republished upon receipt of that report.</i>
<b>(54) Title:</b> SOMATIC TRANSGENE IMMUNIZATION AND RELATED METHODS <b>(57) Abstract</b> <p>The invention provides a method for stimulating an immune response by administering to a lymphoid cells either in a lymphoid organ or <i>ex vivo</i>, a nucleic acid molecule comprising a hematopoietic cell-specific expression element operationally linked to a nucleic acid sequence encoding one or more heterologous epitopes. The heterologous epitope can be inserted into a complementarity-determining region of an immunoglobulin molecule. The invention also provides a nucleic acid molecule comprising a hematopoietic cell-specific expression element operationally linked to a nucleic acid sequence encoding a heterologous polypeptide. The invention additionally provides a method of treating a condition by administering a nucleic acid molecule comprising a hematopoietic cell-specific expression element operationally linked to a nucleic acid sequence encoding a heterologous polypeptide, wherein the nucleic acid molecule is targeted to a hematopoietic cell.</p> <div data-bbox="600 1092 1445 1890"> </div>		